

Title (en)
Monolithic microwave transmitter/receiver.

Title (de)
Monolithischer Mikrowellen-Sender/Empfänger.

Title (fr)
Emetteur-récepteur micro-ondes monolithique.

Publication
EP 0296838 A2 19881228 (EN)

Application
EP 88305708 A 19880622

Priority
• US 6752787 A 19870626
• US 8202787 A 19870805

Abstract (en)
Preferred embodiments include a microstrip patch antenna (38) which also acts as the resonator for an oscillator powered by IMPATT diodes (34, 36); this forms a monolithic transmitter (30) for microwave and millimeter wave frequencies. Preferred embodiments include mounting on the end of a waveguide.

IPC 1-7
H03B 9/14

IPC 8 full level
G01S 7/35 (2006.01); **G01S 13/34** (2006.01); **G01S 13/91** (2006.01); **H01P 7/08** (2006.01); **H01Q 13/08** (2006.01); **H01Q 21/06** (2006.01); **H01Q 23/00** (2006.01); **H03B 9/14** (2006.01); **H04B 1/03** (2006.01); **H01L 27/06** (2006.01); **H03B 7/08** (2006.01)

CPC (source: EP US)
G01S 13/91 (2013.01 - EP US); **H03B 9/147** (2013.01 - EP US); **H01L 27/0605** (2013.01 - EP); **H03B 7/08** (2013.01 - EP); **H03B 2009/126** (2013.01 - EP); **H03B 2200/0074** (2013.01 - EP)

Cited by
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EP 88305708 A 19880622; DE 3855146 T 19880622; JP 15663488 A 19880624